

# Universal Certificate 4.2.0

## Quick Reference

Usage `ucert CMD [OPTIONS...]`

### Format

There is a long form and, for most options, a short form available for specifying each option on the command line. The long form is not case-sensitive; the short form is case-sensitive.

Options must be prefixed with a dash ( - ) character. If an option value is specified, the option and its value must be separated by at least one space.

CMD `{-create | -revoke | -print | -verify | -help | -version}`

Long Form	Short Form	Description
<code>-create object</code>	<code>-c object</code>	Universal Certificate is to create a certificate, certificate request, certificate revocation list (CRL), or transport file.
<code>-revoke object</code>	n/a	Universal Certificate is to revoke a certificate.
<code>-print object</code>	<code>-p object</code>	Universal Certificate is to print a certificate, certificate request, certificate revocation list (CRL), or transport file.
<code>-verify object</code>	n/a	Universal Certificate is to verify a certificate.
<code>-help</code>	<code>-h</code>	Writes a description of the command line options and their format.
<code>-version</code>	<code>-v</code>	Writes the program version and copyright information.

OPTIONS `[-ca] [-ca_cert] [-ca_cert_file] [-cert_db] [-cert_file] [-cert_format] [-codepage] [-common_name] [-country] [-crl_file] [-crl_format] [-dns_name] [-email_address] [-encryptedfile] [-file] [-ip_address] [-key] [-key_size] [-level] [-locality] [-next_update_days] [-next_update_hours] [-nls] [-not_after_date] [-not_before_date] [-organization] [-organizational_unit] [-private_key_file] [-private_key_format] [-private_key_pwd] [-request_file] [-request_format] [-revoke_reason] [-serial_number] [-state] [-transport_file] [-transport_file_pwd]`

Long Form	Short Form	Description
<code>-ca option</code>	n/a	Specification for whether or not the certificate should be marked as a Certificate Authority certificate.
<code>-ca_cert format</code>	<code>-A format</code>	Format of the CA certificate file specified by <code>-ca_cert_file</code> .
<code>-ca_cert_file file</code>	<code>-a file</code>	File from which the CA certificate is read or file to which the CA certificate is written.
<code>-cert_db file</code>	n/a	Name of the certificate database.
<code>-cert_file file</code>	<code>-d file</code>	File from which the certificate is read or file to which the certificate is written.
<code>-cert_format format</code>	<code>-D format</code>	Format of the certificate file specified by <code>-cert_file</code> .
<code>-codepage codepage</code>	<code>-t codepage</code>	Character code page used to translate text data.
<code>-common_name name</code>	n/a	Common name of the <b>subject</b> field of a certificate.
<code>-country name</code>	n/a	Country name of the <b>subject</b> field of a certificate.
<code>-crl_file file</code>	n/a	File to which the Certificate Revocation List (CRL) is written.
<code>-crl_format format</code>	n/a	Format of the CRL file specified by <code>-crl_file</code> .

Long Form	Short Form	Description
-dns_name <i>name</i>	n/a	Domain Name System (DNS) name of the computer system identified by the certificate.
-email_address <i>name</i>	n/a	E-mail address of the entity identified by the certificate.
-encryptedfile <i>filename</i>	-x <i>filename</i>	Name of an encrypted command file.
-file <i>filename</i>	-f <i>filename</i>	Name of a plain text command file.
-ip_address <i>name</i>	n/a	Internet Protocol (IP) addresss of he computer system identified by the certificate.
-key <i>key</i>	-K <i>key</i>	Key used to encrypt the command file.
-key_size <i>size</i>	-s <i>size</i>	Key size of the RSA public / private keys.
-level <i>level</i>	-l <i>level</i>	Level of messages to write.
-locality <i>name</i>	n/a	Locality name of the <b>subject</b> field of a certificate.
-next_update_days <i>days</i>	n/a	Number of days to the next CRL update.
-next_update_hours <i>hours</i>	n/a	Number of hours to the next CRL update.
-nls_directory	n/a	Name of the directory where the code page UTT files are located.
-not_after_date <i>date</i>	n/a	Last day for which the certificate is considered valid.
-not_before_date <i>date</i>	n/a	First day for which the certificate is considered valid.
-organization <i>name</i>	n/a	Organization name of the <b>subject</b> field of a certificate.
-organizational_unit <i>name</i>	n/a	Organization unit name of the <b>subject</b> field of a certificate.
-private_key_file <i>file</i>	-e <i>file</i>	File from which the RSA private key is read or file to which the RSA private key is read.
-private_key_format <i>format</i>	-E <i>format</i>	Format of the private key file specified by -private_key_file.
-private_key_pwd <i>password</i>	-w <i>password</i>	Private key password that is used to read and write the private key file specified by -private_key_file.
-request_file <i>file</i>	-r <i>file</i>	File from which the certificate request is read or file to which the certificate request is written.
-request_format <i>format</i>	-R <i>format</i>	Format of the certificate request file specified by -request_file.
-revoke_reason <i>reason</i>	n/a	Reason that a certificate is being revoked.
-serial_number <i>number</i>	n/a	Unique serial number to be assigned to the created certificate.
-state <i>name</i>	n/a	State name of the <b>subject</b> field of a certificate.
-transport_file <i>file</i>	n/a	File from which the certificate and private key is read or file to which the certificate and private key is written.
-transport_file_pwd <i>password</i>	n/a	Password used to protect the transport file specified by -transport_file.

#### Creating a Certificate Request

`-create request -request_file [-request_format] -private_key_file [-private_key_format] [-private_key_pwd] [-key_size] [-country] [-state] [-locality] [-organization] [-organizational_unit] [-common_name] { [-dns_name] | [-ip_address] } [-email_address]`

#### Create a Certificate from a Certificate Request

`-create cert -request_file [-request_format] -cert_file [-cert_format] -private_key_file [-private_key_format] [-private_key_pwd] -ca_cert_file [-ca_cert_format] [-serial_number] [-not_before_date] [-not_after_date] [-ca] [-cert_db]`

#### Create a Certificate from a Transport File

`-create cert -transport_file [-transport_file_pwd] -cert_file [-cert_format] [-private_key_file [-private_key_format] ] [-ca_cert_file file [-ca_cert_format] ]`

#### Create a Certificate Revocation List

`-create crl -crl_file [-crl_format] -ca_cert_file [-ca_cert_format] -private_key_file [-private_key_format] [-private_key_pwd] -next_update_days -next_update_hours [-cert_db]`

#### Create a Transport File

`-create transport -transport_file [-transport_file_pwd] -cert_file [-cert_format] -private_key_file [-private_key_format] [-private_key_pwd] [-ca_cert_file [-ca_cert_format] ]`

#### Print a Certificate Request

`-print request -request_file [-request_format]`

#### Print a Certificate

`-print cert -cert_file [-cert_format]`

#### Print a Certificate Revocation List

`-print crl -crl_file [-crl_format]`

#### Print a Transport File

`-print transport -transport_file [-transport_file_pwd]`

#### Revoke a Certificate

`-revoke cert [-revoke_reason] -cert_file [-cert_format] [-cert_db]`

#### Verify a Certificate

`-verify cert -cert_file [-cert_format] -ca_cert_file [-ca_cert_format] [-crl_file [-crl_format] ]`